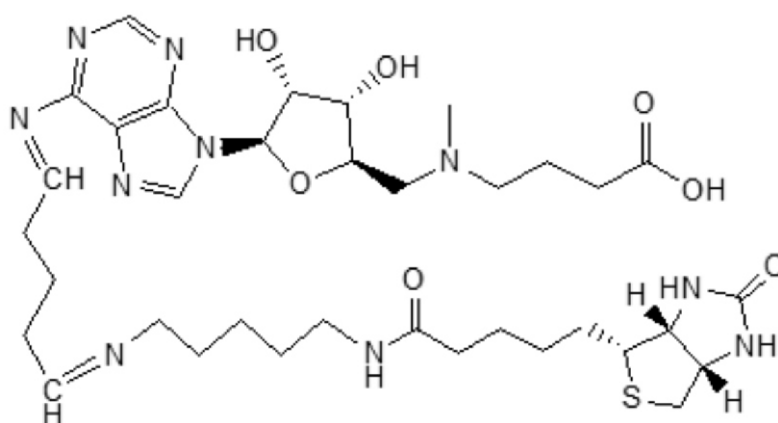


Bio-12CN-aza-SAM 1a/b/c

Product name	Bio-12CN-aza-SAM 1a/b/c
Catalog Number	ACT00206-10/50/100
Description	Biotin is conjugated with aza-SAM through a 10-carbon and 2-nitrogen linker.

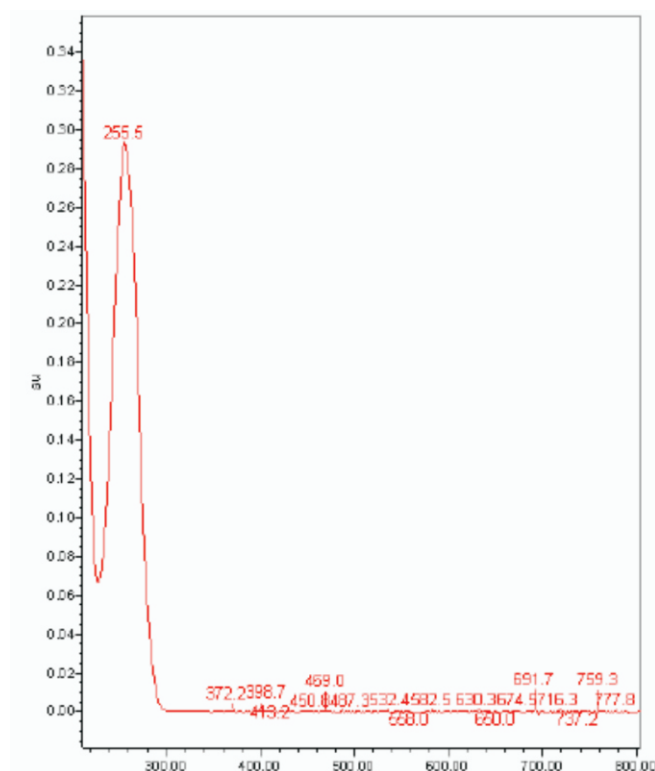
Properties

Form	Liquid
Molecular formula	C ₃₅ H ₅₄ N ₁₀ O ₇ S
Molecular Weight	758.93
Structure	
Storage instructions	Store at -20°C
Storage buffer	PB 20mM pH 7.4 Proclin 0.1%
Concentration	0.5 mg/ml
Purity	100% (HPLC)



Verification

The ninhydrin colorimetry and thin layer chromatography methods were used to show reactions were complete and the conjugated products have the Aza-SAM component. Thorough purification was performed in each step to ensure removal of any non-conjugated materials. Ultraviolet absorption spectrum of the conjugated product showed a peak at 255.5nm. Aza-SAM UV absorption spectrum does not show any peak.



Applications

The use of ACT00206-10/50/100 in the following application has been tested. Optimal concentrations should be determined by the end user. The product may be used in other not-yet-tested applications.

Application	Notes
Competitive ELISA	No difference between Biotin-conjugated and unconjugated SAM molecules in their capabilities to competitively bind anti-SAM antibody.

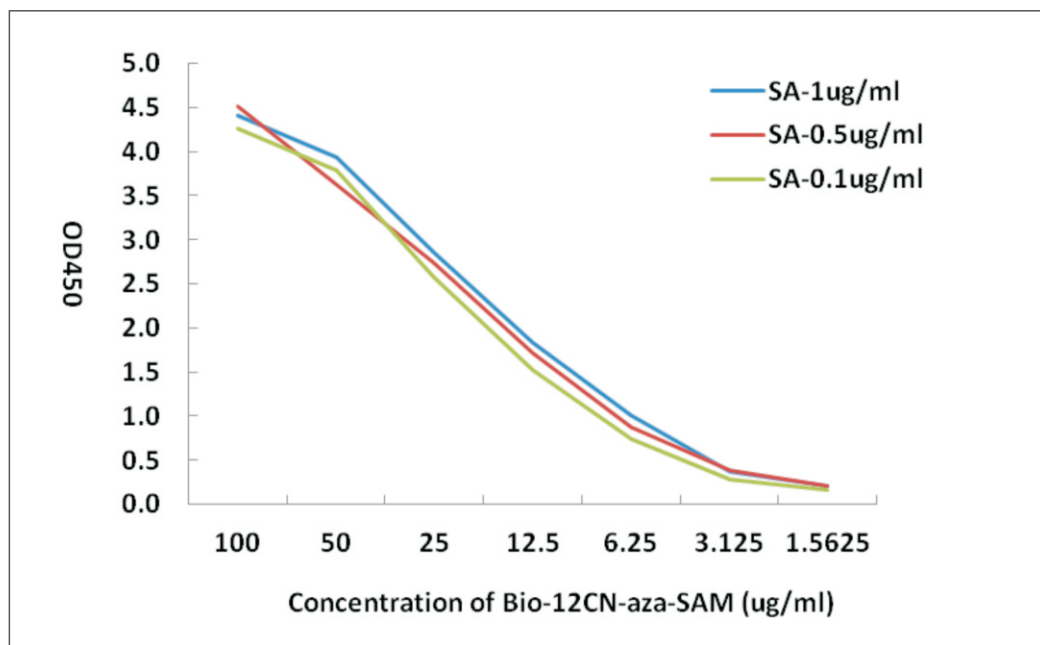


Figure 1 Streptavidin was coated on micro-plate, followed by Bio-12CN-aza-SAM. HRP-anti-SAM antibody was then added and OD450 was read.